

ACC NR: AT6034792 (N) SOURCE CODE: UR/2914/66/000/042/0077/0090

AUTHOR: Mezheritskiy, A. D. (Candidate of technical sciences); Shun'gin, Yu. A.

ORG: none

TITLE: Analysis of the performance of ATL-N5 turbosuperchargers

SOURCE: Leningrad. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota. Informatsionnyy sbornik, no. 42(152), 1966. Tekhnicheskaya ekspluatatsiya morskogo flota voprosy nadezhnosti sudov i ikh silovykh ustanovok (Technical operation of the Merchant Marine; problems of reliability of ships and their power systems), 77-90

TOPIC TAGS: marine engine, marine equipment, turbosupercharger engine, ship, turbosupercharger/ATL-N5 supercharger, Herlitz engine, "Andizhan" type ship

ABSTRACT: The authors discuss in detail the operation of the ATL-N5 turbosupercharger produced in East Germany and widely used on Soviet ships of the "Andizhan" type. The design, operation, function of the bearing parts and cooling system are described. The influence of the performance characteristics of the

Curu 1/2

UDC: 621.438.515.015.001.36

Card 2/2

SHUNGSKAYA, V. Ye.

"Experimental Osteoblastoclastoma in Rats." Cand Biol Sci, Inst of  
Animal Morphology imeni A. N. Severtsov, Acad Sci USSR, 18 Nov 54. (VM,  
9 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher  
Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

SHUNGARAYA - V. Ye

✓ Experimental osteoblastoclastoma in rats. V. B. Shung-  
skaya. Doklady Akad. Nauk S.S.S.R. 106, 934-6 (1956).  
Introduction of 3,4-benzopyrene into a drilled hole in a leg,  
followed by repeated blood lettings resulted in a complete  
analog of osteoblastoclastoma, or gigantic bone tumor forma-  
tion. Sections of tissues are shown. The tumor was  
transplantable. G. M. Kosolapoff

BOROVYAGIN, V.L.; SHINGSKAYA, V.Ye.

Fourth International Congress on Electron Microscopy. TSitologiya  
1 no.4:467-473 J1-Ag '59. (MIRA 12:10)  
(ELECTRON MICROSCOPY--CONGRESSES)

ZARKH, Ye.N.; ZELIKINA, T.I.; SHABADASH, A.L.; SHUNGSKAYA, V.Ye.

Methods of studying certain characteristics of the tigroid in  
the spiral cochlear ganglion of the inner ear. Biofizika 6  
no. 2:233-237 '61. (MIRA 14:4)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.  
(EAR—INNERVATION)



YENENIN, A.I.; SHUMKAYA, V.Ye.

Cerebellar cortex cells of adult mammals under supravital conditions.  
Tsitologiia. 6 no.3:380-382 My-Je '64. (MIRA 18:9)

1. Laboratoriya biofiziki zhivyykh struktur Instituta biologicheskoy  
fiziki AN SSSR, Moskva.

ABERKANA, A.M.; GUTAKA, A.V.; YEREMEO, S.O.; MITUSALIN, V.M.;  
SHINGARYA, V.Ye.

Cytochemical and electron microscopic study of early changes  
in ascitic Ehrlich's carcinoma cells following ionizing radia-  
tion. Radiobiologia 5 no.3:409-414 1965.

(HRA 18:7)

1. Institut biologicheskoy Fiziki AN SSSR, Moskva.



AREF'YEVA, A.M.; GUTKINA, A.V.; YENENKO, S.O.; ZARKH, Ye.N.; SHUNGSKAYA,  
V.Ya.

Cytochemical and luminescence microscopic study of nerve cells  
in a tissue culture. TSitologiya 7 no.4:511-537 J1-Ag '65.  
(MIRA 18:9)

1. Laboratoriya biofiziki zhivyykh struktur Instituta biologicheskoy  
fiziki AN SSSR, Moskva.

YENENKO, S.O.; NIKOLAYEVA, N.D.; SHUNOSKAYA, V.Ye.

Cytochemical study of the succinic dehydrogenase activity  
in nerve cells of an adult rabbit under the conditions of  
a tissue culture. Arkh. anat., gist. i embr. 49 no.13:39-  
42 N '65. (MIRA 19:1)

1. Laboratoriya biofiziki zhivyykh struktur (rukovoditel' -  
chlen-korrespondent AN SSSR prof. G.M. Frank) Instituta biologii-  
cheskoy fiziki AN SSSR, Moskva.

SHUNIN, I.

Chief Engineer of the Konetsgorye Lumber Enterprise,  
Archangle Province

Engineering

Bureaucratic Attitude Toward Rationalizers,"  
Izvestia, Nov. 22, 1949.

Current Digest of the Soviet Press, Vol. 1  
No. 48, 19 , page 56.

SHUNIN, T.G.; KOROLEV, A.I.

Reducing idle time for open-hearth furnaces caused by cold or hot repairs. Metallurg no.5:14-17 My '56. (MIRA 9:9)

1.Nachal'nik tsekha remonta promyshlennykh pechey Magnitogorskogo metallurgicheskogo kombinata (for Shunin).2.Zamestitel' nachal'nika tsekha remonta promyshlennykh pechey Magnitogorskogo metallurgicheskogo kombinata (for Korolev).  
(Magnitogorsk--Open-hearth furnaces--Repairing)

IVANOV, N.I., kand.tekhn.nauk; SHAKHLIN, V.I., inzh.; SHUNIN, T.G., inzh.;  
TARASOV, A.F., inzh.

Using heat-resistant concrete in the construction of open-hearth  
and heating furnaces. Stal' 23 no.9:862 S '63. (MIRA 16:10)

1. Magnitogorskiy metallurgicheskiy kombinat.

SHAKHLIN, V.I.; SHUNIN, T.G.; TARASOV, A.F.; KULAKOV, A.M.; IVANOV, N.I.;  
NEKRASOV, K.D.; SALMANOV, G.D.

Using heat-resistant concrete in the elements of bricklaying of  
open-hearth furnaces. Ogneupory 28 no.8:364-367 '63. (MIRA 16:9)

1. Magnitogorskiy metallurgicheskiy kombinat (for Shakhlin, Shu-  
nin, Tarasov, Kulakov). 2. Magnitogorskiy gorno-metallurgiches-  
kiy institut (for Ivanov). 3. Nauchno-issledovatel'skiy institut  
betona i zhelezobetona Akademii stroitel'stva i arkhitektury  
SSSR (for Nekrasov, Salmanov).

SHUNIN, V.R.

New developments in research. Stal' 23 no.10:955 0 '63.  
(MIRA 16:11)

COUNTRY : Yugoslavia  
SUBJECT : Cultivated Plants. Fruits. Berries. Nuts. Etc.  
ABSTRACT : Ref Zhur-Biologiya, No. 1, 1959. No. 1849

Author : Samnitsa, M.  
INSTR. :  
TITLE : Potentialities of Boosting Grapavine Productivity

ORIG. PUB.: Poljopr. pregl., 1957, 6, No. 3-4, 133-139

ABSTRACT : Pollination of isolated female flowers of the Blatin grape with pollen of the Zhilavka, Tobolusha and Shadarka varieties has shown that flowers pollinated with Shadarka were retarded in development. Blatina yielded bumper crops in dry years. Data are given on the development of bushes of the Blatina variety on different soils. In the areas suffering from soil surface dryness during the summer, one obtained 0.91 kg of grapes

CARD : 1/3



SHUNK, A.

Shunk, A. and Guseva, A., Synthesis of water - soluble analog of vitamin K.\*  
P. 1180.

Scientific Research Laboratory of the  
Vitamin Industry.  
March 7, 1947.

SO: Journal of Applied Chem. (USSR) 21, No. 11 (1948).

\* Author's certificate No. 63828 (July 4, 1942).

Shun'ko, A.D.

✓ Detection of nickel in the presence of cobalt, copper, and other elements. A. D. Shun'ko (Inst. Soviet Commerce, Kharkov). *Zhur. Anal. Khim.* 12, 588 (1957). To 8-10 drops of test soln. add 7-8 times as much satd.  $(\text{NH}_4)_2\text{CO}_3$  soln. and 0.5 ml. of a dimethylglyoxime suspension in  $\text{CCl}_4$  and shake vigorously. In the presence of Ni the  $\text{CCl}_4$  layer is colored characteristically. The preferred pH is 8-9. Amts. of Ni as small as 1.8  $\gamma$  can be thus detected in a Ni:Co:Cu ratio of 1:500:1000. M. Hosh

UP  
4E3D

11

NS

Shun'ko, D. A.

JOURNAL OF ANALYTICAL CHEMISTRY  
Vol XII, Nr 4, 1957  
27

DETECTION OF NICKEL IN THE PRESENCE OF COBALT, COPPER AND OTHER  
ELEMENTS

*Shun*  
D. A. Shun'ko

Kharkov Institute of Soviet Trade

A method has been developed for the fractional detection of nickel with dimethylglyoxime in the presence of large amounts of cobalt, copper and other elements.

3  
1-4E4j

for am

SHUNKOV, F. A.

SHUNKOV, F. A.- "Creativity of A. A. Fadeyev and Its Study in Middle Schools (X class)."  
Kiev State U imeni T. G. Shevchenko, Kiev, 1954 (Dissertations for the Degree of  
Candidate of Pedagogical Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

SHUNKOV, V.

Are repair and supply stations necessary? Nauka i pered.op.v  
sel'khoz. 9 no.11:69-70 N '59. (MIRA 13:3)

1. Starshiy prepodavatel' kafedry ekonomiki i organizatsii  
sotsialisticheskikh sel'skokhozyaystvennykh predpriyatiy  
Irkutskogo sel'skokhozyaystvennogo instituta.  
(Repair and supply stations)

GORYACHEVA, R.I.; ZAYTSEVA, A.V.; NESMEYANOV, A.N., akademik,  
glav. red.; ISAKOVA, O.V., otv. red.; LIKHTENSHTEYN,  
Ye.S., otv. red.; SHUNKOV, V.I., otv. red.

Aleksandr Vasil'yevich Topchiev. (1907-1962). Moskva,  
Nauka, 1964. 160 p. (Materialy k bibliografii uchenykh  
SSSR. Seriya khimicheskikh nauk no.34) (MIRA 18:3)

1. Akademiya nauk SSSR. 2. Chlen-korrespondent AN SSSR  
(for Shunkov).

YEPIFANOVA, A.P.; NESMEYANOV, A.N., akademik, glav. red.; ISAKOVA,  
O.V., otv. red.; LIKHTENSHTeyN, Ye.S., otv. red.;  
SHUNKOV, V.I., otv. red.

[A.I.Berg] Aksel' Ivanovich Berg. Vstup. stat'ia I.V.  
Breneva. Bibliografiia sostavlena A.P.Epifanovoi. Mo-  
skva, Nauka, 1965. (Materialy k biobibliografii uche-  
nykh SSSR. Seriya tekhnicheskikh nauk: Radiotekhnika,  
no.2) (MIRA 19:1)

1. Akademiya nauk SSSR. 2. Chlen-korrespondent AN SSSR  
(for Shunkov).

YEPIFANOVA, A.P.; ISAKOVA, O.V., otv. red.; LIKHTENSHTEYN, Ye.S.,  
otv. red.; SHUNKOV, V.I., otv. red.; NESMEYANOV, A.N.,  
akademik, glav. red.

Boris Nikolayevich Iur'ev. Bibliografiia sost. A.P.Epifanovoi.  
Moskva. Nauka, 1964. 51 p. (Materialy k bibliografii uche-  
nykh SSSR. Seriya tekhnicheskikh nauk. Mekhanika, no.10)  
(MIRA 18:12)

1. Akademiya nauk SSSR.



ISAKOVA, O.V.: NESMEYANOV, A.M. akademik. glav. red.  
LIKHTENSHTEYN, Ye.S., otv. red.; SHUNKOV, V.I., red.

Aleksandr Ivanovich Oparin. Izd.2., dop. Bibliografiia  
sost. O.V.Isakovoi. Moskva, Nauka, 1964. 109 p. (Mate-  
rialy biobibliografii uchenykh SSSR. Seriya biokhimii,  
no.6) (MIRA 18:4)

1. Akademiya nauk SSSR. 2. Chlen-korrespondent AN SSSR  
(for Shunkov).

ISAKOVA, O.V.; LIKHTENSHTEYN, Ye.S., otv. red.; SHUNKOV, V.I.,  
otv. red.

Aleksandr Evgen'evich Fersman. Izd.2., dop. Bibliogra-  
fiia sostavlena O.V.Isakovoi. Moskva, Nauka, 1964. 224 p.  
(Materialy k biobibliografii uchenykh SSSR. Seriia geolo-  
gicheskikh nauk, no.19) (MIRA 17:12)

1. Akademiya nauk SSSR. 2. Chlen-korrespondent AN SSSR  
(for Shunkov).

SHUNKOV, V.I.

Geography of grain markets of Siberia in the 17th century. Vop.geog.  
31:169-205 '53. (MLRA 7:6)  
(Siberia--Grain trade) (Grain trade--Siberia)

SHUNKOV, Viktor Ivanovich; TIKHOMIROV, M.N., akademik, otvetstvennyy redaktor;  
ZOMBE, Ye.B., redaktor izdatel'stva; AUZAN, N.P., tekhnicheskii  
redaktor

[Outline history of agriculture in Siberia during the 17th century]  
Ocherki po istorii zemledeliia Sibiri(XVII vek). Moskva, Izd-vo  
Akademii nauk SSSR, 1956. 430 p. (MLRA 9:10)  
(Siberia--Agriculture)

SHUNKOV, V.I., doktor istoricheskikh nauk.

Some problems of the Academy's libraries. Vest.AN SSSR 26 no.4:  
26-29 Ap '56. (MLRA 9:7)  
(Research libraries)

SHUNKOV, V.P.

Groups decomposable into the uniform product of their p-subgroups.  
Dokl. AN SSSR 154 no. 3:542-544 Ja '64. (MIRA 17:5)

1. Ural'skiy gosudarstvennyy universitet im. A.M.Gor'kogo.  
Predstavleno akademikom A.I.Mal'tsevim.

SHUNKOVA, Z.G.

Introduction of ornamental plants in the Ulan-Ude region. Trudy  
TSSBS no.3:107-112 '60. (MIRA 15:3)  
(Ulan-Ude region--Plants, Ornamental)

SHUNTOV, V.P.

Migrations and distribution of sea birds in the southeastern part of the Bering Sea in spring and summer. Zool.zhur. 40 no.7:1058-1069 (MIRA 14:7)  
Jl '61.

1. Far Eastern Perspective Reconnaissance, Pacific Research Institute of Marine Fishery Management and Oceanography, Vladivostok.  
(Bering Sea—Sea birds)



LIBRARY, 1010

Research paper is on the distribution of sea birds in the open  
waters of the Sea of Japan. Soc. Jour. 44 no.3:417-421 '65.

(MIRA 18:6)

2. Tikhookeanskii nauchno-issledovatel'skiy institut rybnogo  
khozyaystva i okeanografii, Vladivostok.

SHUNTOV, V.P.

Transequatorial migrations of the short-tailed shearwater  
(*Puffinus tenuirostris* (Tenn.)). Zool. zhur. 43 no.4:  
590-598 '64 (MIRA 17:8)

1. Pacific Research Institute of Fishery Management and  
Oceanography, Vladivostok.

SHUNTOV, V.P.

Sea snakes Hydrophiidae in the Gulf of Tonkin (North Vietnam).  
Zool.zhur. 41 no.8:1203-1209 Ag '62. (MIRA 15:9)

1. Pacific Research Institute of Marine Fisheries and Oceanography,  
Vladivostok.

(Tonkin, Gulf of--Serpents)

SHUNTOV, V.P.

Land birds at sea. Priroda 50 no.12:112-113 D '61. (MIRA 14:12)

1. Tikhookeanskiy nauchno-issledovatel'skiy institut rybnogo  
khozyaystva i okeanografii, Vladivostok.  
(Soviet Far East--Birds--Migration)

HUNTER, V. L.

Summer distribution of Alouatta in the Bering Sea.  
Zoologica no. 64:131-135 1963. (WPA 1786)

Shubnikov, V. I.

Theory of generally solvable groups. Dokl. AN SSSR 160 no.6:1279-1282 P 165. (MIRA 18:2)

1. Chelyabinskiy politekhnicheskii institut. Submitted September 10, 1964.

SHUNKOV, V.I.

Abstract characterization of a simple projective group of the type  
 $PGL(2, K)$  over the  $K$  field of the characteristic  $p \neq 0, 2$ . Dokl. AN  
SSSR 163 no.4:837-840 Ag '65. (MIRA 18:8)

1. Submitted January 15, 1965.

SHUNTOV, V.P.

Petrels and auks of the Bering Sea. Ornithologia no. 7-276-286 '65.  
(MIRA 18:10)



SHUMOV, V.P.

Distribution of flying fishes in the Gulf of Tonkin as related  
to oceanographic factors. Trudy Inst. okean. 80:118-123 '65.  
(MIRA 18:10)

1. Tikhookeanskii nauchno-issledovatel'skiy institut rybnogo  
khozyaystva i okeanografii.

SHUNTOV, V.P.

Vertical zonality and distribution of fishes in the upper  
bathyal zone of the Sea of Okhotsk. Zool.zhur. 44  
no.11:1678-1689 '65. (MIRA 18:12)

1. Tikhookeanskiy nauchno-issledovatel'skiy institut  
rybnogo khozyaystva i okeanografii, Vladivostok.

SHUNYAKOV, V.

Accelerated processing. Sov. foto 18 no. 7:62 J1 '58. (MIRA 11:8)  
(Cinematography--Developing and developers)

IGLITSYN, M.I.; PASHAYEV, A.M.; SHONYAYEV, V.G.

Device for noncontact determination of the lifetime of  
current carriers in semiconductors. Izv. AN Azerb. SSR.  
Ser. fiz.-tekh. i mat. nauk no.2:81-84 '64.  
(MIRA 17:10)

ACCESSION NR: AP4012597

S/0233/63/000/005/0055/0058

AUTHORS: Pashayev, A.M.; Iglitsy<sup>n</sup>, M.I.; Shunyayev, V.G.

TITLE: Measurement of the specific resistivity of silicon by the contactless method at high frequency

SOURCE: AN AzerbSSR. Izv. Ser. fiz.-matem. i tekhn. nauk, no. 5, 1963, 55-58

TOPIC TAGS: specific resistivity, silicon resistivity, semiconductor, contactless resistivity measurements, solid state physics

ABSTRACT: The present paper describes an adaptation of the contactless method of the specific resistivity measurement of silicon published earlier by other authors (see P.S. Olshefski, "Sensiconductor product" December 1961). High frequency currents (from 20 to 25 MC) were produced in the specimens by capacitive coupling. The influence of the skin effect on measurements was negligible. The results are compared with those obtained by the twv-probe method. The precision was about  $\pm 10\%$ . The apparatus permits

Card 1/2

ACCESSION NR: AP4012597

measurements of specific resistivity over the range from 2 to 3000 ohm X cm. Orig. art. has: 6 figures and 2 tables.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 26Feb64

ENCL: 00

SUB CODE: PH, GE

NO REF SOV: 002

OTHER: 003

Card 2/2

L 2137-65 EWT(d)/EWT(1)/EWG(k)/EEC(k)-2/EEC-4/T Pz-6/Pe-4/Pq-4/Pg-4/  
Pk-4/Fi-4 IJP(c)/AFWL/AS(ep)-2/SSD/ESD(t)/RAEM(t) AT  
ACCESSION NR: AP4044627 S/0233/64/000/002/0081/0084 82

AUTHORS: Iglitsy\*n, M. I.; Pashayev, A. M.; Shunyayev, V. G.

TITLE: Instrument for contactless determination of the carrier lifetime in semiconductor.

SOURCE: AN AzerbSSR. Izvestiya. Seriya fiziko-tekhnicheskikh i matematicheskikh nauk, no. 2, 1964, 81-84

TOPIC TAGS: carrier lifetime, photoconductivity, measuring apparatus

ABSTRACT: The described instrument is based on the principle of measuring the lifetime by determining the decrease in photoconductivity, using a high-frequency carrier (10--20 Mcs) for a signal passing through a sample whose conductivity is modulated by means of light pulses. The modulation of the light is by means of a flash lamp and has a repetition frequency of 25 cps. The leading front of the pulse has a duration of less than 2 microseconds, and

Card 1/3

L 2137-65

ACCESSION NR: AP4044627

the trailing front has a duration less than 10 microseconds. The use of an oscilloscope with an exponential compensating signal from a special generator permits measurement of lifetimes longer than 10 microseconds for samples with specific resistivity  $\geq 100$  ohm-centimeters with an accuracy of 10%. An advantage of the method is that the samples need not be specially prepared for the tests and no contacts are used. Orig. art. has: 3 figures.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 01

SUB CODE: SS

NR REF SOV: 000

OTHER: 002

Card 2/3



L 2137-65  
ACCESSION NR: AP4044627

ENCLOSURE: 01

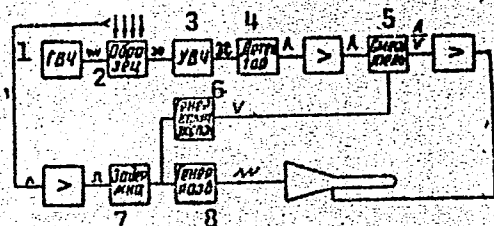


Fig. 1. Block diagram of instrument

- 1 - high frequency generator, 2 - sample, 3 - high frequency amplifier,
- 4 - detector, 5 - mixer, 6 - compensation exponential generator, 7 - delay,
- 8 - sweep generator

Card 3/3

SHUPARSKAYA, I.K.

Position of the Upper Gobi conglomerates in the relief of the  
Tarbagatay-Dzungarian area. Vest. AN Kazakh. SSR 21 no. 7:63-68  
Jl '65. (MIRA 18:8)

AYZINBUDAS, L.B. [Aizinbudas, L.]; YATSKUNAS, K.M. [Jackunas, K.];  
SHUOPITE, O.I. [Suoppyte, O.]

Effectiveness of the use of the biomass of methane fermentation bacteria in mixed feeds for chicks. Vit. res. i ikh  
isp. no.6:140-144 '63. (MIRA 17:1)

1. Litovskiy nauchno-issledovatel'skiy institut zhivotnovodstva i Litovskaya veterinarnaya akademiya, Kaunas.

IGLITSYN, M.I.; PASHAYEV, A.M.; SHUNYAYEV, V.G.; VORONKOV, V.V.

Noncontact measurement of the specific resistance of semiconductors.  
Zav.lab. 29 no.11:1324-1326 '63. (MIRA 16:12)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut  
redkometallicheskooy promyshlennosti.

USSR/Farm Animals - Swine

Q

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69368

Author : Shuopaytite, G.I.

Inst : Lithuanian Scientific Research Institute of Animal Husbandry and Veterinary Medicine

Title : On the Use of Cobalt Feed Supplementation in the Feeding of Swine

Orig Pub : Byul. nauchno-tekhn. inform. Lit. n.-i. in-ta zhivotnovodstva i veterinarii, 1957, No 2, 17-18

Abstract : The first group of sows in the period of pregnancy and nursing was fed 10 mg daily doses of cobalt chloride, and their offspring were given 4 mg of cobalt chloride from the age of ten days. The second group of sows and their offspring were not receiving cobalt supplementation. In the milk of sows of the first group, the

Card 1/2

EXCERPTA MEDICA Sec. 15 Vol. 11/6 Chest June 56 )

SHUPAK, N.B. 1475. DIAGNOSIS AND CLINICAL FEATURES OF TUBERCULOUS HEPATITIS  
(Russian text) - Shupak N. B., Univ. Clin. of Intern. Dis., Med. Inst.,  
Chernovitsy - VRAC, DELO 1957, 1 (15-18)

Thirty patients with tuberculous hepatitis were observed, some of whom had cirrhosis of the liver. Various general functional disturbances were noted, such as decrease of appetite and working ability, irritability, insomnia, etc. The patients complained of pains in the right subcostal and epigastric area; there was enlargement and tenderness of the liver which varied in firmness, and also splenomegaly. The antitoxic function of the liver was disturbed as shown by the frequency of positive Takata-Ara and Weltmann reactions. Diagnosis was made by a combination of signs of hepatitis with signs of extrapulmonary tb (tuberculous cervical adenitis, mesenteric adenitis, polyserositis, etc.) or pulmonary tb. Helpful in diagnosis was the tuberculin test with special note of the local and general reactions.  
Guseva - Moscow (S)

SHUPAKEVICH, V.A., vrach

SHUL'GA, A.O., professor; SHUPAKEVICH, V.A., vrach

Problem of conservative therapy in perforations of the esophagus  
and of associated complications. Vest.oto-rin. 16 no.2:73-75  
Mr-Ap '54. (MLRA 7:6)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. prof. A.O.Shul'ga)  
Chkalovskogo meditsinskogo instituta.  
(ESOPHAGUS, perforation,  
\*ther., conservative)

SHUPAKOVSKIY, V. F.

20857. Goncharov, I. P. i Shupakovskiy, V. F. Kul'tura klevra kaasnogo v uzbekistand.  
Sots. sel. Khoz-vo Uzbekistana, 1949, No. 1, s. 15-19.

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949.



SHUPAKOVSKIY, V. F.

Agriculture

Scientific cultivation of rice in the Uzbek S.S.R., Tashkent, Gosizdat Uzbekskoi SSR, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

KUNIN, N.F.; SHUPELOV, S.V.

Influence of temperature on the graphitization of cokes. Dokl.  
AN SSSR 104 no.3:401-404 S '55. (MLRA 9:2)

1.Chelyabinskiy institut mekhanizatsii i elektrifikatsii sel'-  
skogo khozyaystva. Predstavleno akademikom G.V.Kurdyumovym.  
(Coke)

SHUTYKO, S.S.

SHUTYKO, S.S. "Photometric Determination of Beryllium in Beryllium  
Bronzes." in Higher Education Ukrainian SSR. Khar'kov  
Order of Labor Red Banner State University A.M. Gorkiy.  
Khar'kov, 1956 (Dissertation for the Degree of Candidate in  
Chemical Science)

So: Knizhnaya Letopis', No. 18, 1956

SHUPENKO, V.I.; TKACHENKO, G.Ye.

All-Union record for working an incline at the Abakumova Mine.  
Ugol' 39 no.7:1-5 J1 '64. (MIRA 17:10)

1. Shakhta im. Abakumova tresta Rutchenkovugol'.

SHUPENKO, V.I.; TKACHENKO, G.Ye.; STAYKIN, D.G.

113m of haulage drift mined in one month with the PK-3m cutter-loader. Ugol' 39 no.1:17-20 Ja '64. (MIRA 17:3)

1. Shakhta im. Abakumove tresta Rutchenkovugol'.

SHUPER, A. S.

USSR/ Engineering - Production methods

Card 1/1 Pub. 128 - 8/28

authors : Shuper, A. S., Eng.; Shapozhnikov, A. I., Eng.; and Grinberg, Ya. N., Eng.

Title : Standard engineering methods for production of petroleum equipment and steam boilers

Periodical : Vest. mash. 35/6, 35 - 41, Jun 1955.

Abstract : Standard engineering methods employed in production of petroleum equipment and steam boilers at "Ordzhonikidze" Machine Construction Factory in Podol'sk, are discussed. Approximately 160 types of equipment, of from 2-100 m long, 500-6400 mm in diameter, 4-36 mm thick, and weighing 0.5-200 tons, are produced at the above mentioned factory. Gas-cutting heads and apparatus for cutting boiler shells, edging and welding devices, and several types of welding apparatus, are described. Illustrations; drawings; tables.

Institution : .....

Submitted : .....

BARABASH, I.M.; SHUPER, A.S.

Using exothermic extensions for risers in making steel castings.  
Lit.proizv.no.12:4-5 D '57. (MIRA 11:1)  
(Steel castings)

18(5,7)

SOV/128-59-6-3/25

AUTHOR: Barabash, I.M., Shuper, A.S. and Knyazev, S.I.,  
Engineers

TITLE: Molding Large Steel Castings in Jackets

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 6, pp 6-7 (USSR)

ABSTRACT: For the modern foundry, complete mechanization is the most important problem. For small and medium size foundries, the solution of mechanization problems is easier to find. For large foundries, in which large and individual shaped castings have to be poured, this problem is far from being solved. There exist machines for the manufacture of pattern molds, but only for small patterns. Large patterns have still to be made by hand. Manufacture of mold boxes by means of machines is known too, but still more advanced is the manufacture of pattern molds as permanent cast dies, the standard size of which depends on the molding machines available at the plant. This method leads to savings in time and space. After listing all the weaknesses of the hitherto

Card 1/2



30V/128-59-6-3/25

# Molding Large Steel Castings in Jackets

existing working method, the authors report on a new process introduced by them in cooperation with the Institute VPTI. The metal dies are fastened by bolts and lifted by means of cranes with a 3 tons capacity. The problem of "shrinkage allowance" in molding boxes (for the carcass) is described. Despite several new difficulties, the permanent metal dies have better properties than those used till now. There are 2 photographs

Card 2/2

S/120/00/000/007/001/017  
A105/A033

AUTHORS: Shuper, A.S. and Melekhin, L.Ya.

TITLE: A Mechanized Sandslinger Production Line

PERIODICAL: Litoynoye proizvodstvo, 1960, No. 7, pp. 14-16

TEXT: A detailed description of the design and operation of the equipment installed at the Elektrostal'skiy zavod tyazhelego mashinostroyeniya (Elektrostal' Plant of Heavy Machinery) is given. It consists of a hydraulically operated pump-around type conveyor with 6 trolleys with flask sections, a mold filler, conveyor and a mold drying oven. Dimensions and technical specifications of the flask sections are: length 2,000-3,000 mm, width 100-2,500, height 300-900 mm, and maximum weight 2,000 kg. The technological cycle of the line is 12-15 min. and the capacity 4 flask sections per hour. A 40 mm diameter 295M sandslinger is used for the filling of flask sections. The filler speed is 0.5 rpm, conveyor speed 8 m/min and the trolley speed 0.5 m/sec. Air consumption is 4 cu m/hour and the pressure 4.5 atm. Capacity of the electromotor is 46 kw, power consumption 50 kw, coke and an-

✓

A. Mechanicals Comminuting Production Line

8/1/81 10:00/10:00  
A105/A035

A. A brief description of the drying oven 50-60 kg/l. and gas temperatures in the distributors 350-380°C. The circumference of the merry-go-round type roller is 12,000 mm, length of the roller conveyor 26,000 mm and its width 1,300 mm. The diameter of the tilter is 5,000 mm, height (above the floor) 4,500 mm, weight of metal parts: 120 tons. The production line has 14 operating positions and is handled by two shifts of 11 men each. The yearly capacity of this equipment is 10,000 tons as compared to 2,800 tons produced in 1959. There are 4 figures.

Card 4.3

S/117/61/000/001/001/013  
A004/A001

AUTHOR: Shuper, A. S.

TITLE: Mechanized Line for the Sand-Slinging Production of Molds for Large-Size Castings

PERIODICAL: Mashinostroitel', 1961, No. 1, pp. 2-4

TEXT: The Vsesoyuznyy proyektno-tekhnologicheskii institut tyazhelogo mashinostroyeniya (All-Union Design and Technology Institute of Heavy Machinery) in cooperation with the Elektrostal'skiy zavod tyazhelogo mashinostroyeniya (Elektrostal' Plant of Heavy Machinery) has developed a mechanized line for the sand-slinging production of molds for large-size castings, which was mounted in the cast-iron foundry shop. This line makes it possible to carry out all preparatory technological operations of individual and small-batch manufacture according to the principle of big-lot production. The line is composed of a sand slinger, mechanized merry-go-round-type trolley conveyer, half-mold tilter, installation for the surface drying of the molds and mechanized roller conveyer. Six trolleys, carrying the bottom boards with devices for the automatic mold clamping, are traveling with the aid of a hydraulic drive on the ring-shaped

Card 1/2

S/117/61/000/001/001/013  
A004/A001

Mechanized Line for the Sand-Slinging Production of Molds for Large-Size Castings

track, moving from position to position every 60-70 seconds. On the first three positions the models are replaced, the coating is applied to the models, foundry flasks are placed onto the bottom boards and hooks are hung to the flasks. Filling of the molds by the sand-slinger, additional tamping and cleaning of the half-mold tops is effected in the fourth and fifth position. A tilter is mounted in the sixth position, tilting the half-molds automatically without the aid of a crane, removing the models from the half-molds and placing the half-molds on the mechanized roller conveyer. The line is controlled from two push-button panels. The line cycle amounts to 15 minutes. The output is 4 half-molds per hour. For the filling of the molds the 296M sand slinger is used in the line. After introduction of the new line, labor productivity and the output of castings, after the planned line capacity was reached, increased considerably. Surface drying of the molds by passing them in the flow through drying chambers cut down the drying time from 12 hours to 30 minutes. The mold-manufacturing cycle decreased by 3-4 times, which made it possible to double the productivity of the section without increasing the stock of foundry flasks. There are 4 figures.

Card 2/2

SHUPIK, A.L., okulist; RUBINSHTEYN, A.G., vrach

Report on the work of the Poltava Ophthalmological Society for 1958.  
Oft.zhur. 14 no.7:447-448 '59. (MIRA 13:4)

1. Predsedatel' pravleniya Poltavskogo oftal'mologicheskogo obshchestva.  
(POLTAVA--OPHTHALMOLOGICAL SOCIETIES)

NAZAROV, Valentin Valentinovich, kand. med. nauk; DUBOV, Nikolay  
Sergeyevich; SHCHUKIN, Gavriil Pavlovich [Shchukin, H.P.];  
SHUPIK, Aleksandr Lukich [Shupyk, O.L.]; KRAMAREVSKIY,  
V.O. [Kramarevs'kyi, V.O.], red.

[Virus diseases of the human conjunctiva] Virusni zakhvo-  
riuvannia kon'iunktyvy ochei liudyny. Kyiv, Zdorov'ia, 1965.  
44 p. (MIRA 19:1)

SHUPIK, I., polkovnik; ZAYTSEV, V., polkovnik.

Korean People's Army. Voen. vest. 37 no.1:8-13 Ja '58. (MIRA 11:2)  
(Korea, North--Armed forces) (Korean War, 1950-1953)



SHUPIK, P.; LAVRIK, S.; SHUMADA, I.; LESHCHENKO, P.; MEDYANIK, R.; RADCHENKO, P.;  
PANCHENKO, V.; YESINENKO, L.; CHEBOTAROV, D.; BRATUS', V.; ISHCHENKO, I.;  
KOMISSARENKO, I.; KOLOMIYCHENKO, I.; MAKARCHENKO, A.; ARUTYUNOV, A.;  
SKRIPNICHENKO, D.; RODZAYEVSKIY, A.; PAVLENKO, K.; LEONENKO, K.;  
KOZYRENKO, N.; PARKHOMENKO, V.; CHEHEN'KO, M.

Aleksandr Kirillovich Gorchakov; obituary. Vrach. delo no.8:144-145  
Ag '60. (MIRA 13:9)

(GORCHAKOV, ALEKSANDR KIRILLOVICH, 1900-1960)

SHUPIK, P. L.

Shupik, P. L. - "The breaking down of bladder stones under visual observation," In the symposium: V. N. Shamov, Kiev, 1949, p. 301-04

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

SHUPIK, P.L.

Achievements of public health in the Ukraine. Vest AMN SSSR no.  
2:9-13 '54.

1. Ministr zdravookhraneniya USSR  
(PUBLIC HEALTH,  
\*in Russia)

SHUPIK, P.L.

Present state of psychoprophylactic preparation for labor and  
problem of further popularization of this method in obstetric  
institutions of the U.S.S.R. Akush. i gin. 32 no.3:3-11 My-Je '56.  
(MLRA 9:9)

1. Zamestitel' ministra zdravookhraneniya SSSR.

(LABOR,

painless psychoprophylactic method, application  
in obst. institutions in Russia (Rus))

*SHUPIN, P.L.*

KURASHOV, S.V.; KARYNBAYEV, S.R.; SHUPIK, P.L.; DISKALENKO, A.P.; MAMAMTAVRISHVILI, D.G.; KRAUSS, A.A.; DANILOV, Yu.Ye.; SAGATOV, R.S.; PEN'KOVSKIY, B.R.; NEPESOV, D.N.; INSAROV, I.A.; AKHUNDOV, V.Yu.; KHRIMLYAN, A.I.; AKHMEDOV, K.I.; BAKULEV, A.N.; NESTEROV, A.I.; DAVYDOVSKIY, I.V.; GRASHCHENKOV, N.I.; DENISEVICH, A.Y.; KISELEV, K.V.; KRIVENKO, L.M.; MINZHASAROVA, Z.; YAKOVLEV, M.D.; KOZLOV, I.I.; POKROVSKIY, D.V.; MITKREY, G.A.

Discussions. Sov.zdrav. 16 no.1:18-68 Ja 57.

(MLRA 10:2)

1. Ministr zdravookhraneniya RSFSR. (for Kurashov).
2. Ministr zdravookhraneniya Kazakhskoy SSR. (for Karyngayev).
3. Ministr zdravookhraneniya Ukrainskoy SSR (for Shipik).
4. Ministr zdravookhraneniya Moldavskoy SSR (for Diskalenko).
5. Ministr zdravookhraneniya Gruzinskoy SSR.(for Mamamtavrishvili).
6. Ministr zdravookhraneniya Latvyskoy SSR. (for Krauss).
7. Minister zdravookhraneniya Kirgizskoy SSR (for Danilov).
8. Ministr zdravookhraneniya Uzbekskoy SSR. (for Sagatov)
9. Ministr zdravookhraneniya Litovskoy SSR. (for Pen'kovskiy).
10. Ministr zdravookhraneniya Turkmenskoy SSR. (for Nepesov).
11. Ministr zdravookhraneniya Belorusskoy SSR. (for Insarov).
12. Ministr zdravookhraneniya Azerbaydzhanskoy SSR. (for Akhundov).
13. Ministr zdravookhraneniya Armyanskoy SSR. (for Khrimlyan).
14. Ministr zdravookhraneniya Tadzhikskoy SSR. (for Akhmedov).
15. Prezident Akademii meditsinskikh nauk SSSR. (for Bakulev).
16. Vitse-prezident Akademii meditsinskikh nauk SSSR. (for Nesterov).
17. Chlen Prezidiuma Akademii meditsinskikh nauk SSSR. (for Davydovskiy).
18. Predsedatel' Uchenogo meditsinskogo soveta Ministerstva zdravookhraneniya SSSR (for Grashchenkov)

(Continued on next card)

KURASHOV, S.V.---- (continued) Card 2.

19. Sekretar' Borisovskogo gorodskogo komiteta Kommunisticheskoy partii Belorussii. (for Denisevich). 20. Zamestitel' predsedatelya Soveta Ministrov Belorusskoy SSR (for Kiselev). 21. Zamestitel' predsedatelya Krasnodarskogo krayispolkoma (for Krivenko). 22. Zamestitel' predsedatelya Karagandinskogo oblaspolkoma. (for Minzhazarova). 23. Zamestitel' predsedatelya Gosplana SSSR. (for Yakovlev) 24. Zaveduyushchiy otделom sotsial'nogo strakhovaniya Vsesoyuznogo Tsentral'nogo Soveta professional'nykh soyuzov (for Kozlov). 25. Predsedatel' Tsentral'nogo Komiteta profsoyuza meditsinskikh rabotnikov (for Pokrovskiy). 26. Predsedatel' Ispolkoma Soyuza Obshchestv Krasnogo Kresta i Krasnogo Polumesyatsa SSSR (for Miterev)  
(PUBLIC HEALTH)

SHUPIK, P.L. [Shupyk, P.L.], glavnyy red.; BRATUS', V.D., red.; DUPLENKO, K.F., red.

[Achievements in public health in the Ukraine] Dosiahnennia okhorony zdorov'ia v Ukraini'skii RSR. Kyiv, Derzh.med.vid-vo URSR, 1958. 723 p. (MIRA 12:6)

1. Ukraine. Ministerstvo okhorony zdorov'ya.  
(UKRAINE--PUBLIC HEALTH)

SHUPIK, P.L.

For further success in improving medical services in the Ukrainian  
S.S.R. Vrach.delo no.1:1-10 Ja '58. (MIRA 11:3)

1. Ministr zdravookhraneniya USSR.  
(UKRAINE--PUBLIC HEALTH)



SHUPIK, P.L.

Forty years of Soviet public health. Vrach.delo no.10:1009-1016  
0 '58 (MIRA 11:11)

1. Ministr Zdravookhraneniya USSR.  
(PUBLIC HEALTH)

SHUPIK, P.L.; BRATUS', V.D.

Safeguarding the health of peoples is the sacred obligation of the United Nations. Usl.zhiz.i zdorov. 1 no.5:39-43 '59.  
(MIRA 13:6)

1. Ministr zdravookhraneniya USSR (for Shupik). 2. Chlen delegatsii USSR na XIII sessii General'noy Assamblei Organizatsii Ob"yedinennykh Natsiy (for Bratus').

(HYGIENE, PUBLIC--INTERNATIONAL COOPERATION)

AKIMOV, V.I.; ALEKSEYENKO, I.P.; ALENT'YEVA, K.A.; AMOSOV, N.M.; ARUTYUNOV, A.I.;  
BRATUS', V.D.; VASHCHENKO, I.D.; GELLERMAN, D.S.; GRISHIN, M.A.;  
DANKEYEVA, T.N.; DENISOVA, A.G.; DOLGOVA, M.P.; IVANOV, N.A.; ISHCHENKO,  
I.N.; KATS, V.A.; KOLOMIYCHENKO, M.I.; LAVRIK, S.S.; LIMAREV, A.A.;  
NAZAROVA, N.G.; NOVACHENKO, N.P.; PETRUNYA, S.P.; PKHAKADZE, A.L.;  
RUDENKO, F.A.; SERGIYEVSKIY, V.F.; TAYTSLIN, I.S.; TARTAKOVSKIY, B.S.;  
CHIZHONOK, P.I.; SHALABALA, M.P.; SHUMADA, I.V.; SHUPIK, P.L.

Konstantin Konstantinovich Skvortsov; obituary. Nov.khir.arkh.  
no.3:142-143 My-Je '59. (MIRA 12:10)  
(SKVORTSOV, KONSTANTIN KONSTANTINOVICH, 1871-1959)

SHUPIK, P.L.

Unceasing concern of the Communist Party and the Soviet government for the people's health. Vrach.delo no.3:227-230 Mr '60.  
(MIRA 13:6)

1. Ministr zdravookhraneniya USSR.  
(UKRAINE--PUBLIC HEALTH)

SHUPIK, P.

Let's improve workers' medical care continuously. Okhr.truda i  
sots.strakh. 3 no.3:23-27 Mr '60. (MIRA 13:7)

1. Ministr zdravookhraneniya USSR.  
(Ukraine--Medicine, Industrial)

SHUPIK, P.L.

Main problems of the public health system in the Ukrainian S.S.R.  
for 1961. Vrach. delo no. 1:3-9 '61. (MIRA 14:4)

1. Ministr zdravookhraneniya USSR.  
(UKRAINE—PUBLIC HEALTH)

SHYPIK, P.L.

Present state of and problems in public health in the Ukrainian S.S.R. in the light of the decisions of the 22d Congress of the CPSU. Vrach. delo no.12:3-11 D '61. (MIRA 15:1)

1. Ministr zdravookhraneniya USSR.  
(UKRAINE--PUBLIC HEALTH)

SHUPIK, P. L.

Improve oncological aid for the population of the Ukrainian  
S.S.R. Vrach. delo no.7:3-9 J1 '62. (MIRA 15:7)

1. Ministr Zdravookhraneniya USSR.

(UKRAINE--ONCOLOGY)



SHUPIK, P.L.

Developing and perfecting hospital medical aid in the Ukrainian  
S.S.R. Vrach.delo no.1:3-12 Ja '63. (MIRA 16:2)

1. Ministr zdravookhraneniya UkrSSR.  
(UKRAINE—HOSPITAL CARE)

L 10666-63

EPR/EWP(j)/EPF(c)/EWT(m)/BDS--ASD--Pr-4/Pc-4/Ps-4--RM/WW  
S/079/63/033/004/005/010

7/  
69

AUTHOR:

Konstantinov, P.A., Shupik, R.I.

TITLE:

Action of Reney nickel on silicoorganic derivatives  
of thiophene

PERIODICAL:

Zhurnal obshchey khimii, v. 33, no. 4, 1963,  
1251-1255

TEXT:

The action of halogenoalkylsilanes on lithium  
derivatives of thiophene and its homologs produces silicoorganic  
derivatives of thiophene: 2-methyl-5-trimethylsilylthiophene,  
2,5-ditrimethylsilylthiophene, dimethyldi-(2 thienyl)silane,  
diethyldi-(2-thienyl)silane, 5-trimethylsilyl-2-thiophene aldehyde  
and  $\beta$ -(5-trimethylsilyl-2-thienyl)ethanol. Upon the action of  
Reney nickel on silicoorganic derivatives of thiophene the  
C-S bond is broken and the corresponding derivatives of the

Card 1/2

L 10666-63

S/079/63/033/004/005/010

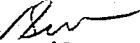
2

Action of Reney nickel on...

aliphatic series are formed. The introduction of atoms of silicon into the  $\alpha$ -position of the thiophene ring increases the stability of the ring with respect to Reney nickel. Silico-organic compounds of the aliphatic series were obtained: trimethylpentylsilane, 1,4-bis(trimethylsilyl)butane, dimethyldibutylsilane, and 5-trimethylsilylpentanol-1. There is 1 table of characteristics of the alkyl thienylsilanes. 7

ASSOCIATION: Moskovskiy fiziko-technicheskiy institut  
(Moscow Physics-Engineering Institute)

SUBMITTED: May 18, 1962

kes   
Card 2/2

SHUPIK, V.M., inzh.; IVASHKEVICH, V.P., inzh.

Multiple cold stamping. Mashinostroenie no.1:17-23 Ja-F '62.  
(MIRA 15:2)

1. Zaporozhskiy elektroapparatnyy zavod.  
(Sheet-metal work)

SERGEYEV, A.S., kand.tekhn.nauk; SHUPIKOV, I.V.

Automatic density control of the iron ore pulp. Met. i gornorud. prom.  
no.3:71-72 My-Je '63. (MIRA 17:1)

1. Institut avtomatiki Gosplana UkrSSR.

SHUPIKOV, V.A.; SHESTAKOV, V.A.; YALYMOV, N.G.; YAKOVLEV, M.A.

Shrinkage stoping system at the Aktyuz Mine and its efficiency.  
Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 2 no.8:5-12 '60.

(MIRA 13:12)

(Aktyuz region—Stoping (Mining))

SHUPINA, Z. K. (Student)

"Synthesis of 9,10-Dimethyl-Octadecane and 9,10-Dipropyl-Octadecane." Petrov, A. D., and the Students Shupina, Z. K. , and Oldekop, U. L. (p. 498)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1944, Volume 14, no. 6.

Influence of phosphorus deficiency during the first period of vegetation on yield increases and crop yields of spring cereals. H. Birecka, T. Lasota, J. Szupinska, and H. Stupnicka (*Roczn. Nauk rol.*, 1955, 70, A, 33-49). The sensitivity of cereals to P-deficiency during the first weeks of growth is in the (descending) order oats, barley, wheat. Grain yields of oats, but not of wheat are largely influenced by the amounts of P applied during the first stages of vegetation; with belated applications of basic slag, such applications counteract decreases in straw yields. In comparison with pre-sowing applications, top-dressings of P give approx. the same grain- and straw-P.

P. S. ARUP.

3



SHUPINSKAYA, M.D.

[Textbook of pharmacognosy] Uchebnik farmakognozii. [Leningrad] Medgiz,  
Leningradskoe otd-nie, 1953. 383 p. (MLSA 6:8)  
(Pharmacognosy) (Botany, Medical)

KUZNETSOVA, M.A.; SHUPINSKAYA, M.D.

Review of M.D.Shupinskaia's "Textbook of Pharmacognosy." M.A.  
Kuznetsova. Apt.delo 3 no.1:54-57 Ja-F '54. (MLRA 7:1)

1. Prepodavatel' farmakognozii Moskovskoy farmatsevticheskoy  
shkoly (for Kuznetsova). (Pharmacognosy) (Shupinskaia, M.D.)

SHUPINSKAYA, Mariya Dmitriyevna; LILENKO, S.I., redaktor; RULEVA, M.S.,  
tekhnicheskii redaktor

[Textbook of pharmacognosy] Uchebnik farmakognozii. Izd. 2-oe,  
perer. i dop. [Leningrad] Gos. izd-vo med. lit-ry, Leningradskoe  
otd-nie, 1956. 455 p. (MLRA 10:1)  
(PHARMACOGNOSY)

KAGANOV, M.I.; TSUKERNIK, V.M.; SHUPIS, I.Ye.

Theory of relation processes in antiferromagnetic materials. Fiz.  
met. i metalloved. 10 no.5:797-798 N '60. (MIRA 14:1)

1. Fiziko-tekhnicheskly institut AN USSR i Khar'kovskiy gosudarstvennyy  
universitet imeni A.M. Gor'kogo.  
(Ferromagnetism)